

ORIGINAL

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January 31, 2011

Via Federal Express

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Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004



Dear 8(e) Coordinator:

1,3-Propanediol
CAS # 504-63-2

This letter is to inform you of the results of a pre-1977 study, which we recently became aware of with the above-referenced test substance.

An approximate lethal dose (ALD) study was conducted with two grades of test substance, refined (99.8%) and crude (70%). The test substances were administered undiluted by intra-gastric intubation to young adult ChR-CD male rats in single doses (1 rat/dose) and observed for 14 days.

There were no mortalities with refined test substance at any dose level (2250, 3400, 5000, 7500, 11000, 17000, and 25000 mg/kg). Pallor, irregular respiration, belly-crawling, chewing motions and salivation were observed at all dose levels for 1-2 days. The ALD > 25,000 mg/kg.

Rats dosed with crude test substance at 17000 and 25000 mg/kg died within 24 hours. No mortalities at 2250, 5000, 7500, and 1100 mg/kg. Pallor, irregular respiration, salivation, chewing motions, belly-crawling, and diuresis were noted with non-lethal doses for 1-6 days. The ALD = 17,000 mg/kg.

This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist

SSA/RV: clp
(302) 366-5314



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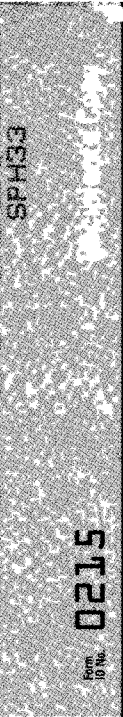
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